

**AMENDMENT TO THE SPECIFICATION:**

Please replace the paragraph located on page 6, line 21 - page 7, line 11 as follows:

The apparatus for fluorescence observation comprises an excitation filter which transmits only the exciting light having a specific wavelength out of illumination light, and an absorption filter which blocks the exciting light, and transmits only the fluorescence generated from the specimen when irradiated with the exciting light is irradiated to the specimen, wherein the excitation filter and the absorption filter are composed so as to have such characteristics that these have the same half-value wavelength at a long wavelength side of the excitation filter, and an interval between a half-value wavelength at the long-wavelength side of for which the excitation filter having has transmittance of 0.1% on the long-wavelength side and a half-value wavelength at the short-wavelength side of the excitation filter on the long-wavelength side is in a width between 0.1 to 5.9 nm, and an interval between a wavelength at the short-wavelength side of for which the absorption filter having has transmittance of 0.1% on the short-wavelength side and a half-value wavelength at the short-wavelength side of the absorption filter on the short-wavelength side is in a width between 0.1 to 5.9 nm, and an interval between a the half-value wavelength at the long-wavelength side of the excitation filter having transmittance 80% on the long-wavelength side and a wavelength at the long-wavelength side of for which the excitation filter has transmittance of 80% on the long-wavelength side is 5.9 nm or less, and an interval between a the half-value wavelength at the short-wavelength side of the absorption filter on the short-wavelength side and a wavelength at the short-wavelength side of for which the absorption filter having has transmittance of 80% on the short-wavelength side is 5.9 nm or less.